

Title (en)

Preparation of CMC with improved substituent uniformity using borax.

Title (de)

Herstellung von Carboxymethylcellulose mit gleichmässiger Verteilung der Substituierten unter Verwendung von Borax.

Title (fr)

Préparation de carboxyméthylcellulose ayant une répartition plus uniforme des substituants par l'usage du borax.

Publication

**EP 0055820 A1 19820714 (EN)**

Application

**EP 81109404 A 19811030**

Priority

US 22094080 A 19801229

Abstract (en)

[origin: US4306061A] Solution qualities of carboxymethyl cellulose are improved by preparing the same with cellulose which has been alkalized in the presence of a borate ion-containing salt.

IPC 1-7

**C08B 11/12**; **C08B 1/08**

IPC 8 full level

**C08B 1/08** (2006.01); **C08B 11/12** (2006.01)

CPC (source: EP US)

**C08B 1/08** (2013.01 - EP US); **C08B 11/12** (2013.01 - EP US)

Citation (search report)

- US 3068141 A 19621211 - MACCLAREN ROBERT H, et al
- FR 2265761 A1 19751024 - HENKEL & CIE GMBH [DE]
- GB 497671 A 19381223 - IG FARBENINDUSTRIE AG
- DE 2535311 A1 19760226 - HERCULES INC
- EP 0041364 A1 19811209 - HERCULES INC [US]

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CN103788214A; DE102004021689B4; US4474950A

Designated contracting state (EPC)

DE FR GB NL SE

DOCDB simple family (publication)

**US 4306061 A 19811215**; BR 8108402 A 19821013; CA 1171082 A 19840717; DE 3171058 D1 19850725; EP 0055820 A1 19820714; EP 0055820 B1 19850619; JP H0113482 B2 19890307; JP S57117502 A 19820722; MX 156530 A 19880908

DOCDB simple family (application)

**US 22094080 A 19801229**; BR 8108402 A 19811228; CA 388764 A 19811026; DE 3171058 T 19811030; EP 81109404 A 19811030; JP 17956181 A 19811109; MX 785681 A 19811117